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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of )  
HELLMICH et al. )  
Serial No.: 10/049,243 )  
Filing Date: February 11, 2002 )  
Title: DEVICE FOR DELIVERING )  
AND/OR SPRAYING FLOWABLE )  
MEDIA, ESPECIALLY FLUIDS )

Group Art Unit: Unknown

Examiner: Unknown

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\* \* \* \* \*

August 19, 2002

INFORMATION DISCLOSURE STATEMENT

Hon. Commissioner of Patents  
Washington, D.C. 20231

Sir:

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Attached is one (1) PTO-1449 sheet listing four (4) references, and the International Search Report that cited these references. I hereby certify that the enclosed documents listed on the herewith Form PTO-1449 were cited in the attached International Search Report, dated November 24, 2000. Two of the foreign references are non-English, and the Applicant respectfully requests that the Examiner consider these non-English foreign references. A statement of relevance is provided for the non-English foreign references as indicated below:

- (1) DE 41 26 124 A1 describes a solenoid driven water pump. The patent describes that the two iron cores (7) forming the reciprocating drive for the solenoid pump are joined by a non-magnetic steel tube and have a return spring support. The inlet valve has a ring-shaped flap element (2) held down by a relatively weak spring (3). A spring loaded outlet valve (8) vents water out of the pump chamber into an outlet chamber (9) with a gas pocket. The gas pocket absorbs the pressure

pulses from the pump action and provides a more even outflow of water. The solar generated power has variable pulse length and amplitude, depending on the sunlight level.

(2) WO 96/34196 describes a fuel injection device for an internal combustion engine.

The device works based on the principle of storage of energy in a solid body and is designed as a reciprocating piston pump with a feeding piston (35, 24) that stores kinetic energy during an almost resistance-free acceleration phase. The stored kinetic energy is abruptly transmitted to the fuel contained in a compression chamber (66), generating a pressure wave for injecting fuel through an injection nozzle. The means that interrupt the resistance-free acceleration phase are designed as a valve with a valve body (50a) and a valve seat (57) shaped on the feeding piston (35, 24). To generate the pressure wave, the valve closes the compression chamber (66) so that the kinetic energy of the feeding piston (35, 24) is transmitted to the fuel enclosed in the compression chamber (66). The valve seat (57) and the valve body (50a) lie at the front end of the feeding piston (35, 24), seen in the direction of injection, and separate the compression chamber 966) from the feeding piston (35, 24).

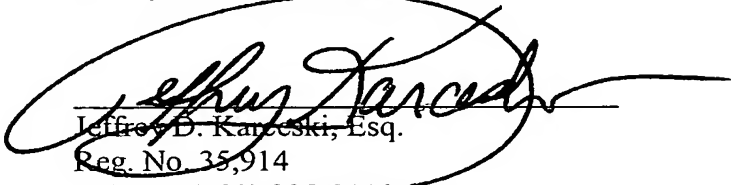
This IDS is intended to be in full compliance with the rules, but should the Examiner find any part of its required content to have been omitted, prompt notice to that effect is earnestly solicited, along with additional time under Rule 97(f), to enable Applicant to comply fully.

Should a first action on the merits have been issued on the same day or before this Information Disclosure Statement is filed, please accept this Information Disclosure Statement under Rule 97(c) and charge the requisite Rule 17(p) fee to our Deposit Account No. 03-3975, under Order No. 009919/0290511 and proceed to consider this Information Disclosure Statement.

Consideration of the foregoing and enclosures plus the return of a copy of the enclosed PTO-1449 Form, page 1, with the Examiner's initials in the left column per MPEP 609 are earnestly solicited along with an early action on the merits.

Respectfully submitted,

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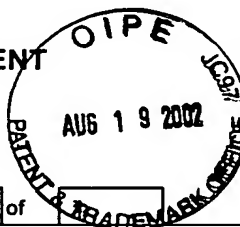
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RP-00864-US1

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**



Applicant: HELLMICH et al.

Appln. No.: 10/049,423

Filing Date: February 11, 2002

Date: August 19, 2002

Page 1 of

Examiner: Unknown

Group Art Unit: Unknown

**U.S. PATENT DOCUMENTS**

Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR	3,791,770	02/1974	Farkos			
	BR	4,215,820	08/1980	Renger			
	CR						
	DR						
	ER						
	FR						
	GR						
	HR						
	IR						
	JR						
	KR						
	LR						
	MR						
	NR						

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**FOREIGN PATENT DOCUMENTS**

		Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract		Translation Readily Available	
						Enclosed	No	Enclose	No
	OR	DE 41 26 124 A1	02/1993	Germany	Kohlmann et al.	x			x
	PR	WO 96/34196	10/1996	WIPO	Heimberg	x			x
	QR								
	RR								
	SR								
	TR								
	UR								
	VR								
	WR								

**OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)**

	XR	Search Report for International Application No. PCT/EP00/07210,		
	YR	dated November 24, 2000.		
	ZR			
	AAR			
	BBR			

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Examiner

Date Considered:

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.